

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A catalyst which formally comprises zirconium dioxide ( $\text{ZrO}_2$ ), yttrium oxide ( $\text{Y}_2\text{O}_3$ ) and at least one oxide selected from among alkali metal oxides and alkaline earth metal oxides and in which the proportion of zirconium dioxide ( $\text{ZrO}_2$ ) is from 80 to 99 parts by mass, the proportion by mass of yttrium oxide ( $\text{Y}_2\text{O}_3$ ) is from 0.5 to 10 parts by mass and the proportion of alkaline earth metal oxide and/or alkali metal oxide is from 0.1 to 3 parts by mass.

Claim 2 (Original): The catalyst as claimed in claim 1, wherein the proportion of zirconium dioxide ( $\text{ZrO}_2$ ) is from 90 to 98 parts by mass, the proportion by mass of yttrium oxide ( $\text{Y}_2\text{O}_3$ ) is from 1.5 to 8 parts by mass and the proportion of alkaline earth metal oxide and/or alkali metal oxide is from 0.5 to 2 parts by mass.

Claim 3 (Original): The catalyst as claimed in claim 2, wherein the proportion of zirconium dioxide ( $\text{ZrO}_2$ ) is from 93 to 96 parts by mass, the proportion by mass of yttrium oxide ( $\text{Y}_2\text{O}_3$ ) is from 3.5 to 6 parts by mass and the proportion of alkaline earth metal oxide and/or alkali metal oxide is from 0.5 to 1 part by mass.

Claim 4 (Currently Amended): The catalyst as claimed in ~~at least one of claims 1 to 3~~ claim 1, which comprises an alkali metal oxide selected from among potassium oxide and sodium oxide.

Claim 5 (Currently Amended): The catalyst ~~according to at least one of claims 1 to 3~~  
as claimed in claim 1, which is in the form of granules, tablets, cylinders, rings or extrudates.

Claim 6 (Currently Amended): A process for preparing 1-olefins by catalytic  
dehydration (elimination of water) of alcohols at a temperature from 200 to 450 °C, in which  
a catalyst as claimed in ~~any of claims 1 to 5~~ claim 1 is used as catalyst and at least one  
secondary 2-alcohol or a mixture thereof is used as alcohol.

Claim 7 (Original): The process as claimed in claim 6, wherein at least one alcohol  
having from 5 to 27 carbon atoms is used.

Claim 8 (Original): The process as claimed in claim 7, wherein 2-hydroxyoctane is  
used as alcohol.

Claim 9 (Currently Amended): The process as claimed in ~~at least one of claims 6 to 8~~  
claim 6, wherein a mixture comprising further alcohols and/or hydrocarbons and also, if  
desired, a diluent is used.

Claim 10 (Currently Amended): The process as claimed in ~~at least one of claims 6 to~~  
9 claim 6, wherein the dehydration is carried out in the gas phase or the mixed liquid/gas  
phase.

Claim 11 (Currently Amended): The process as claimed in ~~at least one of claims 6 to~~  
10 claim 6, wherein ketones are separated off and hydrogenated from the mixture obtained in  
the dehydration and the alcohols obtained are recirculated to the dehydration.

Claim 12 (Currently Amended): A composition which comprises at least one 1-olefin and is obtainable by a process as claimed in ~~at least one of claims 6 to 11~~ claim 6 in which the reaction product mixture from the dehydration is separated into an olefin fraction, an alcohol-containing fraction and one or more fractions comprising by-products, wherein the composition comprises 1-octene in a proportion of above 90% by mass.

Claim 13 (Currently Amended): ~~The use of a composition as claimed in claim 12~~ A process for preparing aldehydes and/or alcohols by hydroformylation of the 1-olefin ~~present~~ in the composition as claimed in claim 12.

Claim 14 (Currently Amended): ~~The use~~ process as claimed in claim 13 for preparing plasticizer alcohols.

Claim 15 (Currently Amended): ~~The use~~ process as claimed in claim 13 for preparing isononanol.

Claim 16 (Currently Amended): ~~The use of a composition as claimed in claim 12 as~~ A comonomer for preparing polyolefins comprising the composition as claimed in claim 12.